

IN THE CLAIMS

*The status of the claims as presently amended is as follows:*

1. (Currently Amended) A directional speaker control system ~~adapted to~~ for producing an audio surround ~~sound system in which a sound emitted from a directional speaker having sharp directivity is reflected off a wall surface or a sound reflection board to produce a virtual speaker~~, said directional speaker control system comprising:

    a first directional array speaker unit having ~~at least one~~ a plurality of first directional speakers arranged in an array each for emitting a first sound toward ~~the~~ a wall surface or sound reflection board; and

    a second directional array speaker unit having ~~at least one~~ a plurality of second directional speakers arranged in an array each for emitting a second sound with an inverse phase ~~at directly to~~ to a prescribed listening position, ~~without reflecting the second sound from any wall surface or sound reflection board~~, with respect to an audio element of the first sound ~~directly~~ reaching the prescribed listening position ~~directly~~,

wherein each of the first and second directional array speaker units further includes a delay circuit for delaying the sound signal, a gain adjustment circuit for each directional speaker for adjusting a gain of an output signal of the delay circuit, and an amplifier for each directional speaker for amplifying an output signal from the gain adjustment circuit and driving the respective directional speaker.

wherein the first and second directional array speaker units generate sound fields having various phases intermixed with each other,

wherein the second sound from the second directional array speaker unit dampens the audio element of the first sound from the first directional array speaker unit directly reaching the prescribed listening position directly,

wherein the first and second directional array speaker units both receive a same sound signal, and

wherein the second directional array speaker unit includes an inversion circuit that inverts the sound signal to generate the second sound at the inverse phase, and

wherein the delay circuit of the second directional array speaker unit adjusts the delay applied to the sound signal based on the amount of delay applied to the sound signal in the first directional array speaker unit so that the second sound directly arrives at the prescribed listening position at the same time as the audio element of the first sound directly reaching the prescribed listening position.

2. (*Canceled*)

3. (*Currently Amended*) The directional speaker control system according to claim 1, wherein the first directional array speaker unit and the second directional array speaker unit are composed of a single array speaker unit having a plurality of directional speakers arranged in an array, with the directional speakers being divided among the first and second directional array speaker units.

4. (*Currently Amended*) The directional speaker control system according to claim 1, wherein the second directional array speaker unit emits only a low-frequency sound as the second sound.

5-6. (*Canceled*)